

## **Post-doctoral research position in 3D Laser Nanolithography**

ITMO University (Saint-Petersburg, Russia) is offering a post-doctoral position to a bright and highly motivated young scientist who wishes to enhance his/her scientific career. The successful candidate will be joining the recently established laboratory "Metamaterials" (<http://metalab.ifmo.ru/>) led by Prof. Pavel Belov. The team has experience in fabrication, experimental studies and theoretical modeling of different objects including all-dielectric photonic structures, metamaterials/metasurfaces, topological insulators, plasmonic structures etc. In the laboratory theoreticians closely collaborate with the experimentalists possessing state of the art facilities for both the optical and microwave experiments. All-dielectric photonic structures are fabricated by two-photon polymerization through a direct laser writing technique (3D laser nanolithography).

The candidate will participate in the ongoing project supported by the Russian Science Foundation. The candidate will be involved in fabrication of different nano- and micro-structures, numerical simulation and experimental characterization of their properties. One of our goals is to enlarge the field of interests to biology, medicine as well as to a problem of mechanical performance of nano- and micro-structures.

Starting salary is from 100 000 RUB depending on candidate qualification. Further growth of salary is possible.

### **Requirements**

The candidate should have an internationally-recognized Ph.D. degree, preferably in optics or laser physics and track record in academics and research. The expertise in 3D nanolithography methods, numerical simulations and programming, optical measurement techniques and spectroscopy are highly required. Creativity, independent thinking, and readiness to conduct standalone research projects will be evaluated as highly as professional skills.

### **Application Process**

The formal application should be submitted online via [nm@corp.ifmo.ru](mailto:nm@corp.ifmo.ru).

Suitable candidates are requested to submit:

- Motivation letter with a declaration of interest,
- Curriculum Vitae, including full address, contact phone number and e-mail address,
- The contact e-mail of two potential referees.

Candidates should be willing to be contacted by phone during the selection process. Candidates may contact address for informal enquiries regarding the application to Margarita Petrova via [petrovamargo155@gmail.com](mailto:petrovamargo155@gmail.com).